



Cary UV Networked Workstation with OpenLab
Server or ECM 3.6 Software

System Topologies and Architectural Concepts

Notices

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CAUTION

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Overview

These are the components of your Cary UV Workstation software with OpenLab Basic Server, Server or ECM XT software:

- Cary UV Workstation application (Plus or Networked Workstation)
- Cary 3500 UV-Vis
 - Can be connected directly to a computer or a network using Ethernet
 - Control Panel/Shared Services (User and project administration)
 - Data Repository (Stores Cary UV Workstation data)
 - Secure Storage (Store and access electronic records, including indexing and search)

These are the components of your Cary UV Networked Workstation software with ECM 3.6 software:

- Cary UV Workstation application
- Cary 3500 UV-Vis
 - Can be connected via Ethernet or through a network
- Control Panel/Shared Services
 - User and project administration
- Data Repository
 - Stores Cary UV Workstation data
- ECM 3.6
 - Store and access electronic records
 - ECM privilege administration

The following services are used by Cary UV Workstation:

- Cary UV Data service

System Topologies

- Audit Trail service
- E-Signature service
- Distributed Transaction Coordinator
- Activity Log service

These services are always installed on the same computer as Shared Services.

For more information refer to the Cary UV Networked Workstation Functional Design document.

Dataflow and access

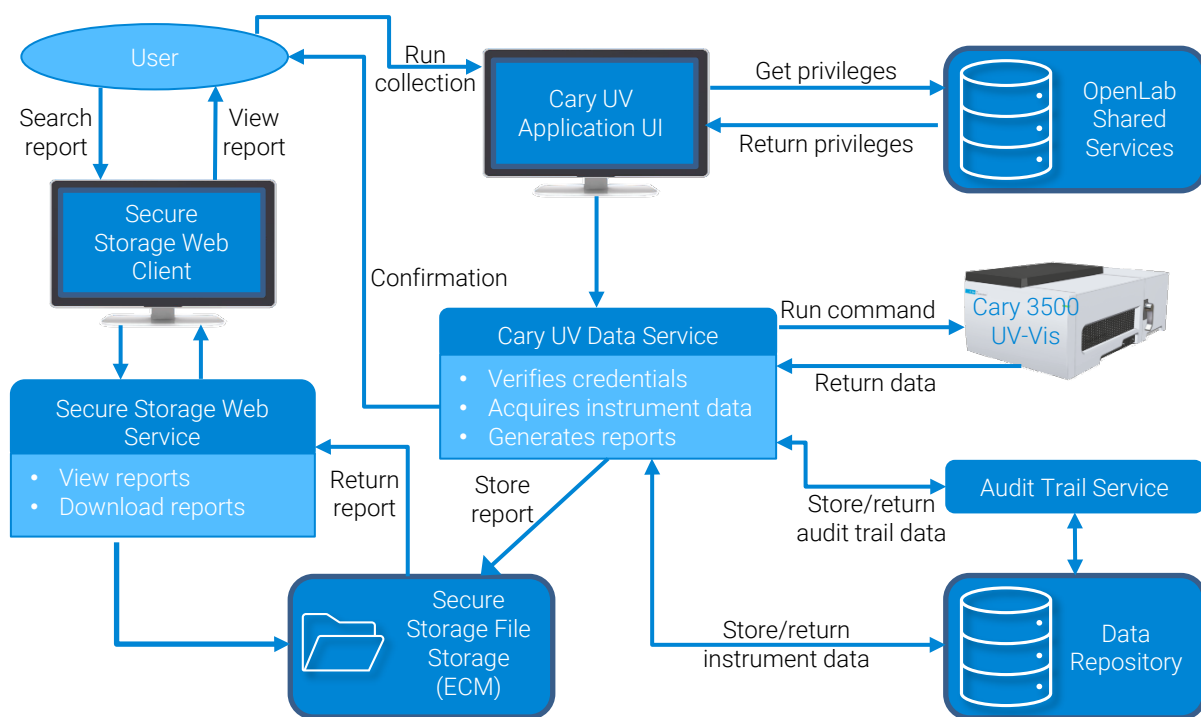


Figure 1. Dataflow and access of Cary UV Workstation data and reports

Cary UV Workstation with OpenLab Server/ECM XT

Workstation Plus

In a Workstation Plus configuration, all components (shared services, control panel, method and data files, etc.) are located on the same computer.

These include:

- Cary UV Workstation
- Control Panel
- Shared Services
- Secure storage
- Data Repository



Figure 2. Cary UV Workstation Plus software component location

Distributed Systems

This concept offers central administration of users, roles, and licensing. Networked instruments are accessible from any networked workstation. The following shows several different configurations.

In a distributed system, the data is stored in a central secure database and available from any networked workstation.

Multiple workstations can be part of the Networked Workstation system, however, there must be one Cary UV software instance per instrument.

System Topologies

Server configuration 1: Application server with local database and local file storage

The following figure shows a Networked Workstation configuration.

The components installed include:

- Networked Workstation
 - Cary UV Workstation
 - Control Panel
- Application server
 - Web/Repository
 - Database (PostgreSQL or SQL Server)
 - Search
 - File storage

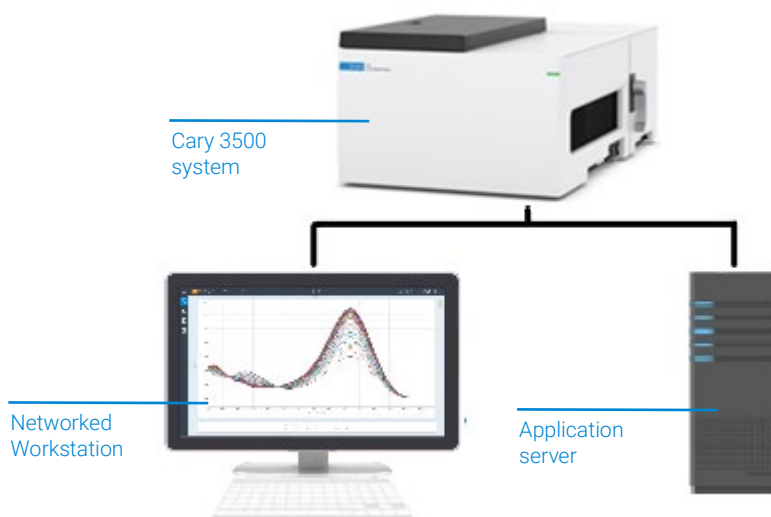


Figure 3. Cary UV Networked Workstation all in one configuration

Server configuration 2: Application server with external database server and local file storage

The following figure shows one Cary UV software instance connected with an available instrument on the same network with the remaining applications, services and data on 2 servers.

The components installed include:

- Networked Workstation
 - Cary UV Workstation
 - Control Panel
- Application server
 - Web/Repository
 - Search
 - File storage
- Database server
 - Database (PostgreSQL or SQL Server)

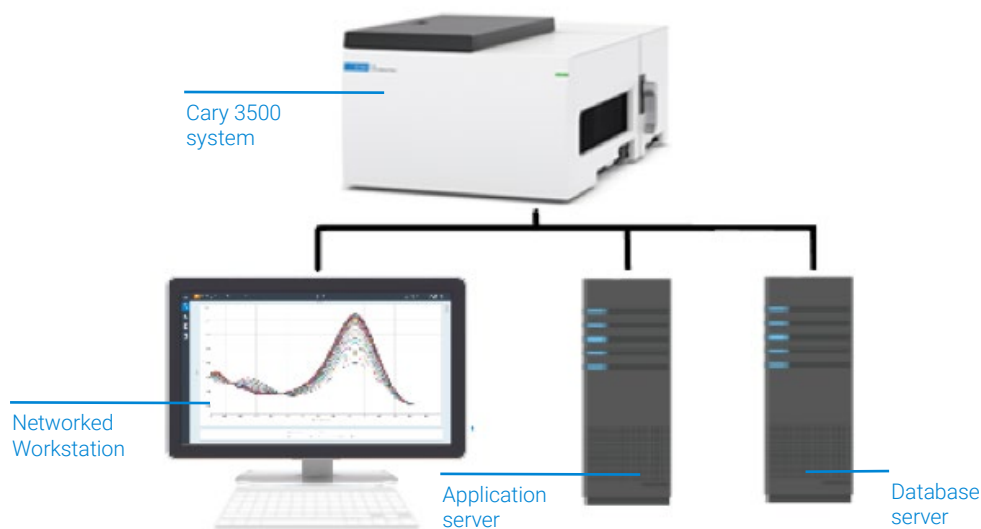


Figure 4. Cary UV Networked Workstation 2 server configuration

Server configuration 3: Application server with local database and external file storage

The following figure shows one Cary UV software instance connected with an available instrument on the same network with the remaining applications, services and data on 2 servers.

The components installed include:

- Networked Workstation
 - Cary UV Workstation

System Topologies

- Control Panel
- Application server
 - Web/Repository
 - Search
 - Database (PostgreSQL or SQL Server)
- Server 2
 - File storage

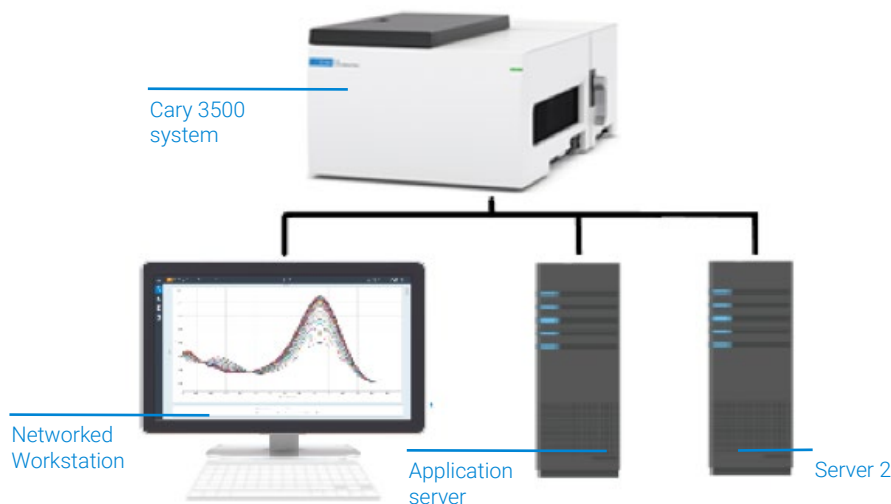


Figure 5. Cary UV Networked Workstation 2 server configuration

Server configuration 4: Application server with external database server and external file storage

The following figure shows one Cary UV software instance connected with an available instrument on the same network with the remaining applications, services and data on 3 servers.

The components installed include:

- Networked Workstation
 - Cary UV Workstation
 - Control Panel
- Application Server
 - Web/Repository
 - Search

- Database Server:
 - Database (PostgreSQL or SQL server)
- Server 3:
 - File storage

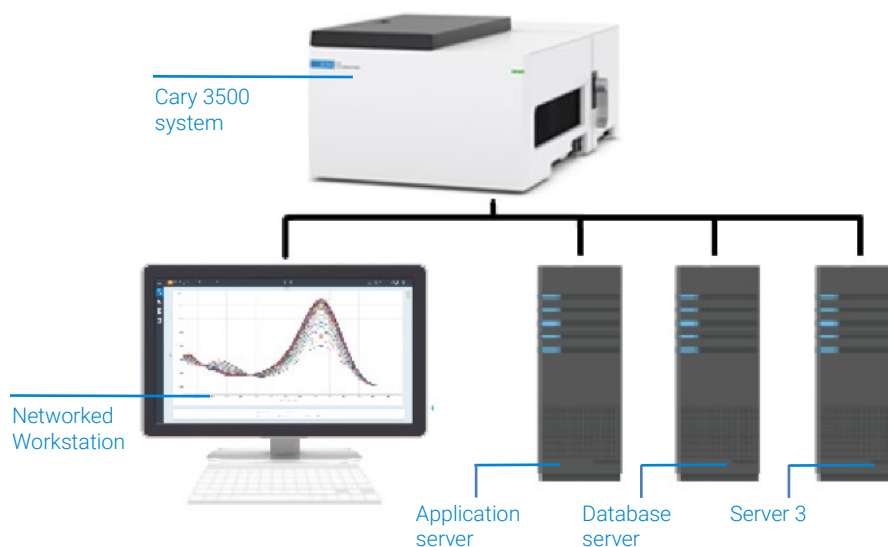


Figure 6. Cary UV Networked Workstation 3 server configuration

Cary UV Networked Workstation with ECM 3.6

The following figure shows the system architecture of Cary UV Networked Workstation with OpenLab ECM 3.6. In case of OpenLab ECM 3.6 systems, separate Shared Services servers are required per ECM Account.

NOTE

Agilent does not recommend mixing OpenLab Shared Services and OpenLab ECM 3.6 on the same server in a production environment. Rather, install OpenLab Shared Services on a separate server hardware.

The components installed include:

- Networked Workstation
 - Cary UV Workstation

System Topologies

- Control Panel
- Server 1
 - Shared Services
 - Data Repository
- Server 2
 - ECM 3.6

NOTE

Data Repository may be installed on a separate machine.

The figure shows one Cary UV software instance connected with an available instrument on the same network.

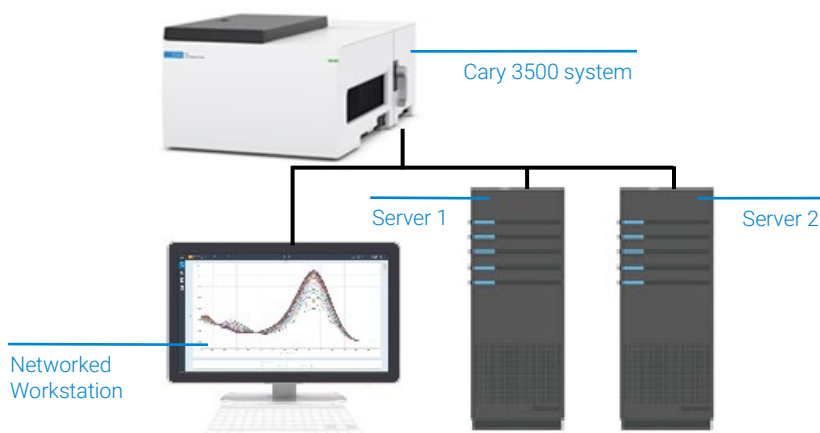


Figure 7. Cary UV Networked Workstation with ECM 3.6 configuration

2 About Licensing

Licensing Scheme

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Licensing Scheme

Workstation

- One Cary UV Workstation license
- Instrument and Add-on licenses as needed

Workstation Plus

- One Cary UV Workstation Plus license
- Instrument and Add-on licenses as needed

Networked Workstation

- One Cary UV Networked Workstation license per networked workstation
- Instrument and Add-on licenses as needed per networked workstation
- One OpenLab Shared Services server license or one OpenLab Server license
- Universal connection license (for instrument connections when using OpenLab Server/OpenLab Basic Server/ECM XT systems)
- Agilent Data System Based Instrument license (for instrument connections when using ECM 3.6).

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Sales and Support Assistance

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Sales and Support Assistance

Please check the following web site for your local sales and support contact:

<http://www.agilent.com/en-us/contact-us/page>

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In This Book

This manual describes the system topologies and licensing concepts of Cary UV Workstation with OpenLab Server/ECM XT or ECM 3.6.

This information is subject to change without notice.



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